

MULTI-DIRECTIONAL DEPOSITION IN ARRAY FABRICATION

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ABSTRACT OF THE DISCLOSURE

A method, apparatus, and computer program products for fabricating multiple chemical arrays on a substrate, each array having multiple rows of feature locations with arrays of different sets being arranged in a sideways orientation with respect to the rows. The method includes dispensing drops from a drop dispensing head onto the substrate while maintaining a gap between the head and substrate and moving them relative to one another along a path so as to fabricate the arrays. The path for the relative moving includes moving the head in a direction along the rows of a first array set then moving the head in an opposite direction along the rows of a second array set. This pattern is repeated with the second array set of an earlier cycle being the first array set of a later cycle.

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